

S.W. of Lincoln, Neb.
1890

MEMORIAL



Burley Lot 80 of N & S
RR. right of way 100,
Hutton's 2nd and 3rd

The level place on RR
is about 90 ft long

Mr. Elliott wants
a place

Samuel Smith

Exton

Bellevue

Pa

Abby Zander Brown

Maak or M. S. S. S.
clti

Co z nich tu před
hadmi bylo.

May. 3rd 1890

(G.W. & Linda, lab.)

Went out to Bigelows Lake.

Saw many Teal (Blue-w.), Mallards,
Pin-tails, Widgeon, & Scaups.

Shot 2 (male & female)

Limosa's. Saw several

Recurvirostras, Totanus, etc.

Shot an English Snipe

Found Crow-black-bird nests
on willows in water.

Set no. 1 - (5 eggs) was taken

from a nest about 3 ft. from

water. The nest was of coarse

grasses, lined with finer grasses.

The second was at about same

height, & in same clump of

willows, over water. Contained

4 fresh eggs - Set no 2.

Set no. 1 had very small embryos

Found a Crow's nest with

helpless young, less than week

old. This was in cotton-wood,

quite high, & was built of

Tricks in usual way.
Near this, on a slender elm
branch, a pair of Shrike-poles,
(*Ardea virescens*) had just
completed the stitch part of
their nest.

also collected *Anemone decapetala*
(rather late), *Corydalis*,
Troxenon, (Wild Celery!),
Draba, Choke-cherry, the yellow,
puccoon-like flower, *Viola*
delphinifolia

Also saw Baptisia.

May 10th

Blue-winged Teal were paired.

no 3 - *Sturnella neglecta*

Nest on ground under tuft of
grass - in prairie.

The nest was of fine culms &
blades & partly roasted.
contained 3 fresh eggs.

no. 4 - A turtle doves nest on
low tree - usual dome
structure - Two nearly

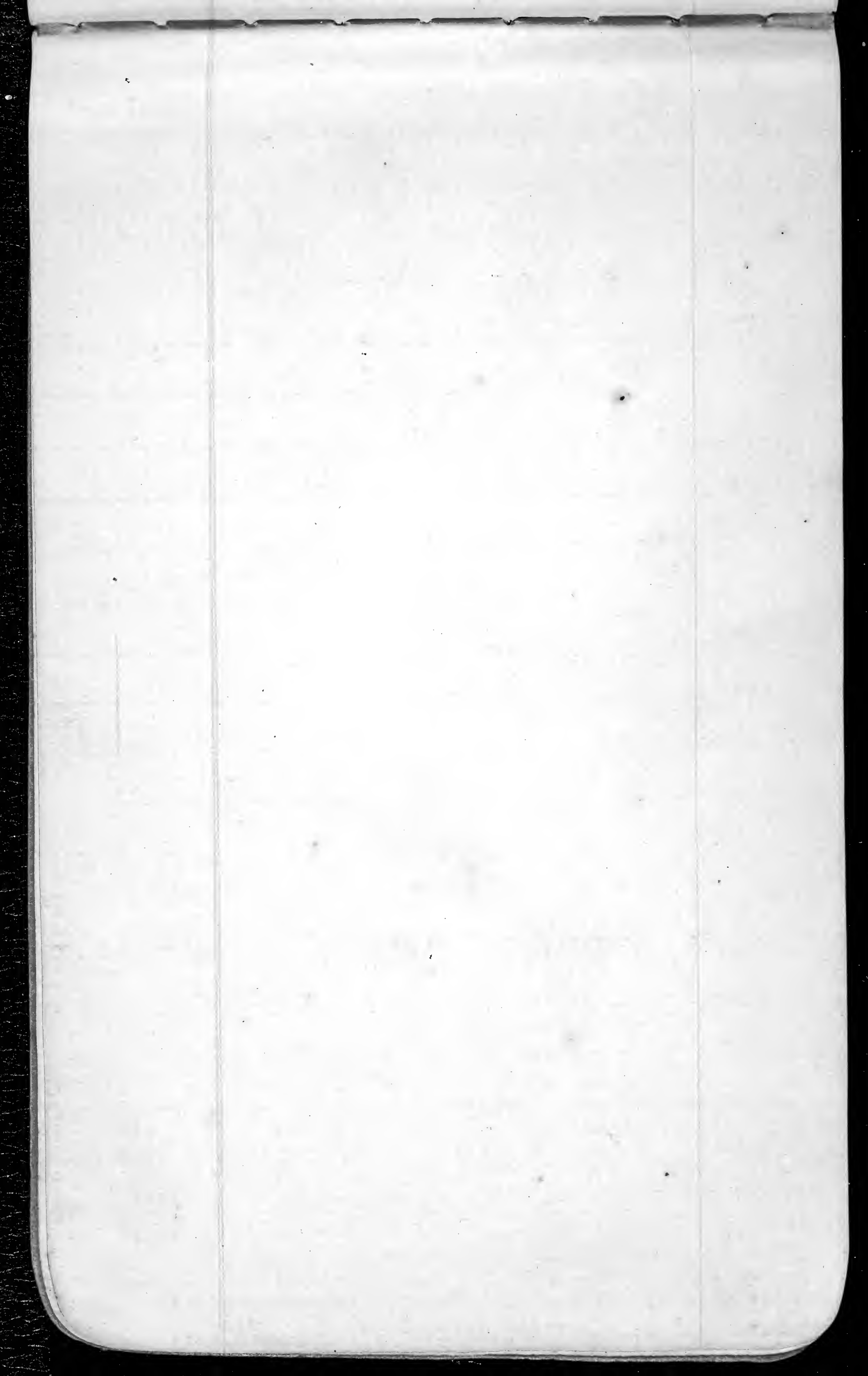
fresh eggs - small embryos.

The Red-winged Black B.

had a nest near Bigelow's Lake
with 3 eggs - very large
embryos. Couldn't save 'em.

Shot Scaup, Blue & Green Teal,
Chaukars, Red-head.

Saw many *Zonotrichia querula*, *Ereunetes*
penicillata, Red-breasted Siskin, *Sturnella*
agilis & *Lincoln*, *Zonotrichia* *capensis*,
collis, etc.



Campanula americana

Aug. 30 - 1890

Woods, river-bottoms, banks, etc.

Plant - 2' - 4' - annual.

Stem - Erect, exogen, sparingly hairy,
angled (ridged), green.

Leaves - Alt, pinnately nerved, ovate,
lower mostly crenulate, tapering
towards petiole, no stipules acuminate,
ovate sparingly hairy above &
below (below on veins)

Root - ~~woody~~ ^{simple} - primary, branched.

Inflores - short, 4-6 flowered, axillary
racemes, the terminal ones forming
a compound raceme. Indeterminate.

Fls. regular -

Calyx - Monosperm, lobes five = 5 cups, narrow
(linear) acute serrate at base, spreading
green, smooth.

Corolla, monopetal, 5-parted, lobes ovate, mucronate,
blue (center white) wheel-shaped, tube very short,
inserted on calyx, white short also
in each angle between petals.

Filaments slightly curved, woolly.

Stamens - 5 inserted on calyx, filaments
 Δ broad flat & curved, anther 2-
celled, narrow linear

Pistil - ovary superior, 3-celled
axile placentae, ovules numerous
style long, curved, blue, stigma
3 (or 1 3-lobed) small,
style woolly in bud.

corolla smooth, but externally
hairy in the bud near the tip.
plaited the bud.



} stamen
x 1/2

Section of flower
not size.

Stamens open before stigma,

Ragweed

Ambrosia trifida L

Great Ragweed.

Aug. 30¹⁸⁹⁰ River bottom, etc.

Plant. 4-8°. Annual.

Stem. erect, hairy, cylindrical, with small grooves.

Root. Primary, with many fine branches coming from axils of leaves.

Leaves. opposite, with long, winged petioles, sparingly hairy above & below not pet. leaves 3-lobed, each lobe ovate, ^{often cut or lobed} acuminate, serrate, pinnate. Petioles shorter somewhat than leaves.

Inflo. Fls composite stem & petioles. Heads separate, fertile small, 3 or 4 flowered, staminate in panicles close spikes. Involucre of fertile flowers of 5-10 small, brown scales, united into a cup which holds 10-15 staminate flowers. ^{3 of the scales have} ~~the scales have~~ dark


~~On~~ mid-ribs. Fertile involucre top shaped, with minute projections or lobes which enclose a single pistil with 2 stigmas protruding. Each of these is in axil of lower lance

bract & there are 3 or 4 of these
together

8 Nerve 5. somewhat united, sessile.
flowers.

 Staminate flowers.



 Bract
Pistillate flower
slightly magnified.

Stigma 2 linear

All but anthers are
green

Eupatorium ageratoides

White Snake Root

Plant - 1-4 ft. perennial.

Root - from short, oblique
rootstock.

Stem - erect, with branches, smooth
— obscurely grooved, green.

Leaves - opposite, long petioled, 2-4
ripes, few hairs, veins purple
or purplish; ovate, coarsely
toothed; acute.

petiole, 3-ribbed.

Inflores - fls. compound, heads
in compound, axillary corymbs { 15-20
flowers
heads
Fls. white, 5 calyx of involucre

single row, green, lance linear, appressed
(invol. cylindrical), receptacle smooth.

~~Pappus~~ of white slender,
bristles in one row.

Corolla white, regular, 5 lobed
spreading, funnelform stigma
exserted 2 -

stamens & styles white.



one head x 1.

Rudbeckia triloba, L.

Aug. 30. 1890.

Plant 1-4'. Perennial.

Root - Mult. primary.

Stem - branching, cylindrical,
obscurely ridged, hairy, ex-
green.

Leaves - sparingly hairy (mainly
abaxially), lower pinnatifid,
upper ovate, all more or less
irregularly serrate, (lower 3-partite)
tapering to a short winged petiole.
Pinnate.

Inflor. - Fls. in corymbose
heads. Rays yellow, sterile.
(~~heads~~) in racemes.

Calyx - Representing a more
crown.

Corolla - Disc tubular
dark purp-brown.

Many-flowered. Rays sterile.

5-8, yellow, notched.

hirsutum
~~*perfoliata*~~ / 2 or more rows
 of leaf-like scales - reflexed
 Receptacle quite common,
 with awned, chaffy scales -
 to achene. Achenes 4-
 angled.

Stigmas 2 - purplish brown



Yellow rays



purplish brown
 green
 awned scale

X 2 1/2

Gaura biennis, L.

Aug. 30 - 1890

Plant - 2' - 6' -

Stem - erect, branching, ^{ex. young} herb. (hard) cylindrical, ^{soft} hairy

Root - oblique simple primary.

Leaves - simple, alternate
sessile, lance, linear above,
tapering to base - entire acute
soft hairy (especially beneath)
pinnate. -

Inflorescence - slender, compound racemes.

Calyx - monosperm - 5 lobed, lobes linear
whitish-greenish, hairy outside.

Corolla - 4 white "crumpled", ovate (or lance-
ovate) white petals tapering to base
on calyx -

Stamen - 8 on calyx - filaments white
slender, anthers yellow, 2 cells. -

Pistil - ovary inferior, style
white, slender, stigmas 4,
stamens & pistils exserted.
ovules several, long - stalked

Free central placentation
Fleshy, sessile (compound)
shrub

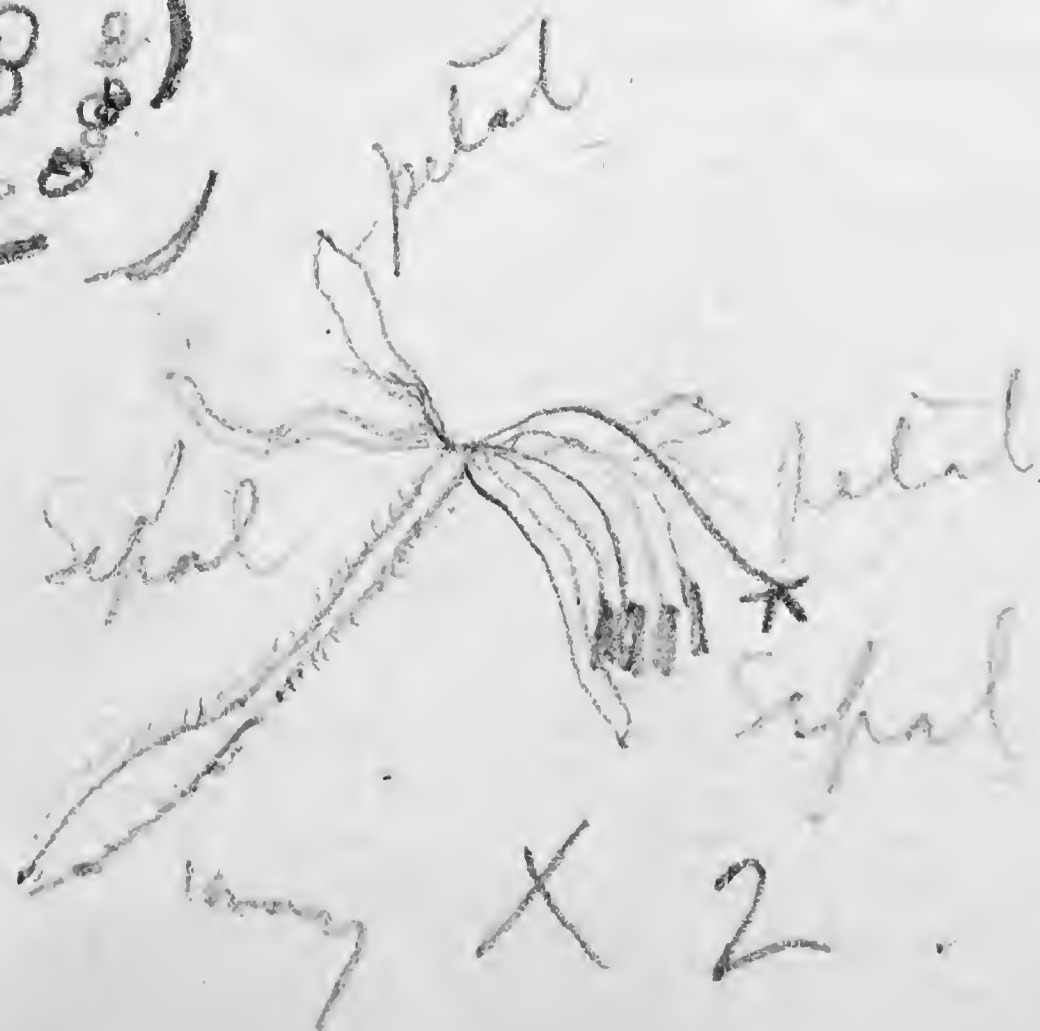
Flowers white to pinkish
Petals turned to upper
side, clawed,

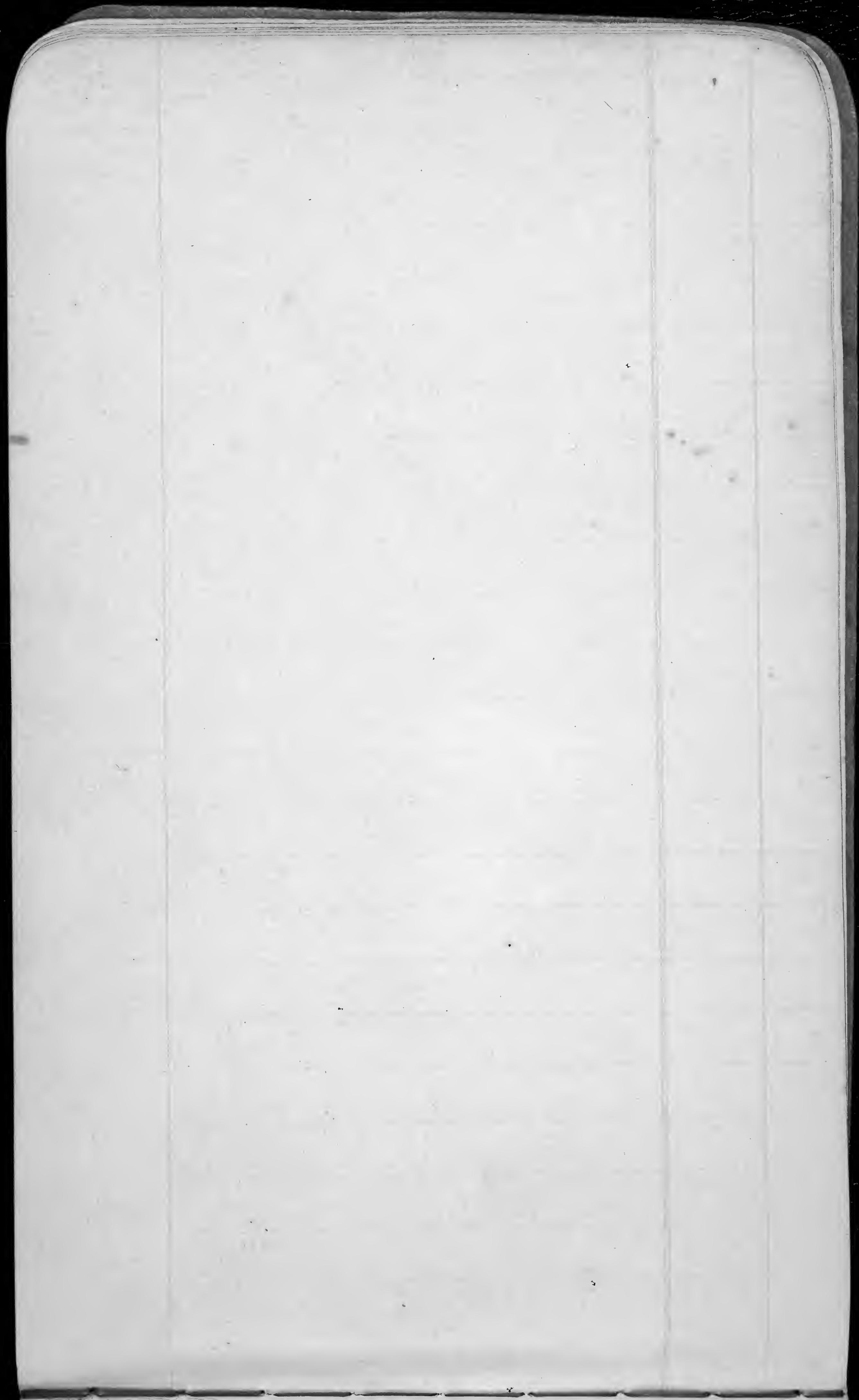
A scale-like appendage at base of
each filament
Receptacle 4 lobed, surrounded by
border.

Fruct. fleshy



1 ovule





about 10
arvicennae



ovary about 14-cells

style & stigma same,

adhering at base. +

fixed to monophet, 5-parted

corolla.

column of stamens yellow
(corolla too) & including
pistils: stamens yellow, many

1-celled

stigma capitato?

ovaries sup.

calyx 5-lobed, down,
inflated, lobes ovate.

leaves, alt, long petioles, ^{stip}
palmate, cordate, acum

obscurely dentate,

stem erect branching, green

whole thing down - strong
scent

Root - tap -

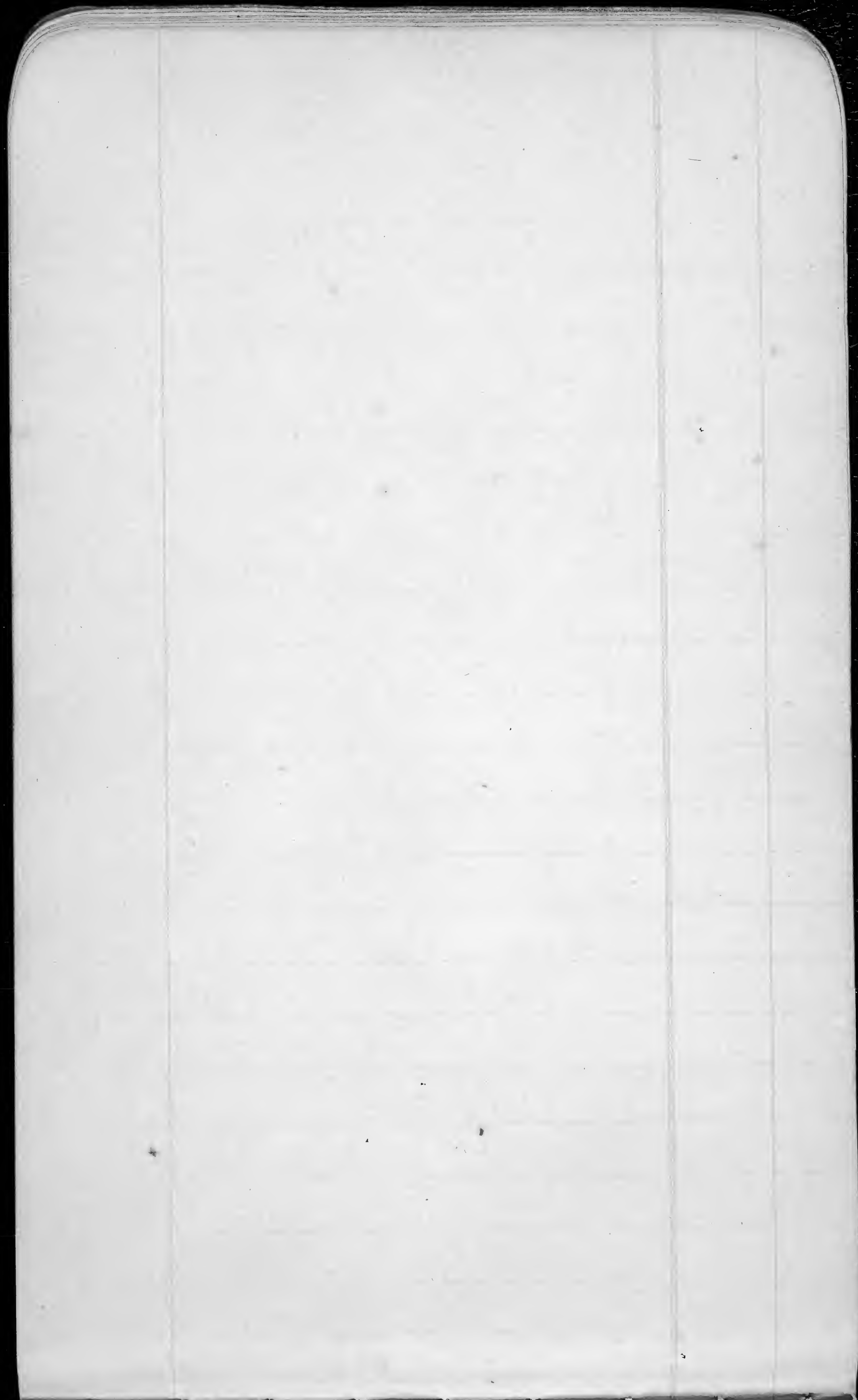
lobes of corolla
imbricate

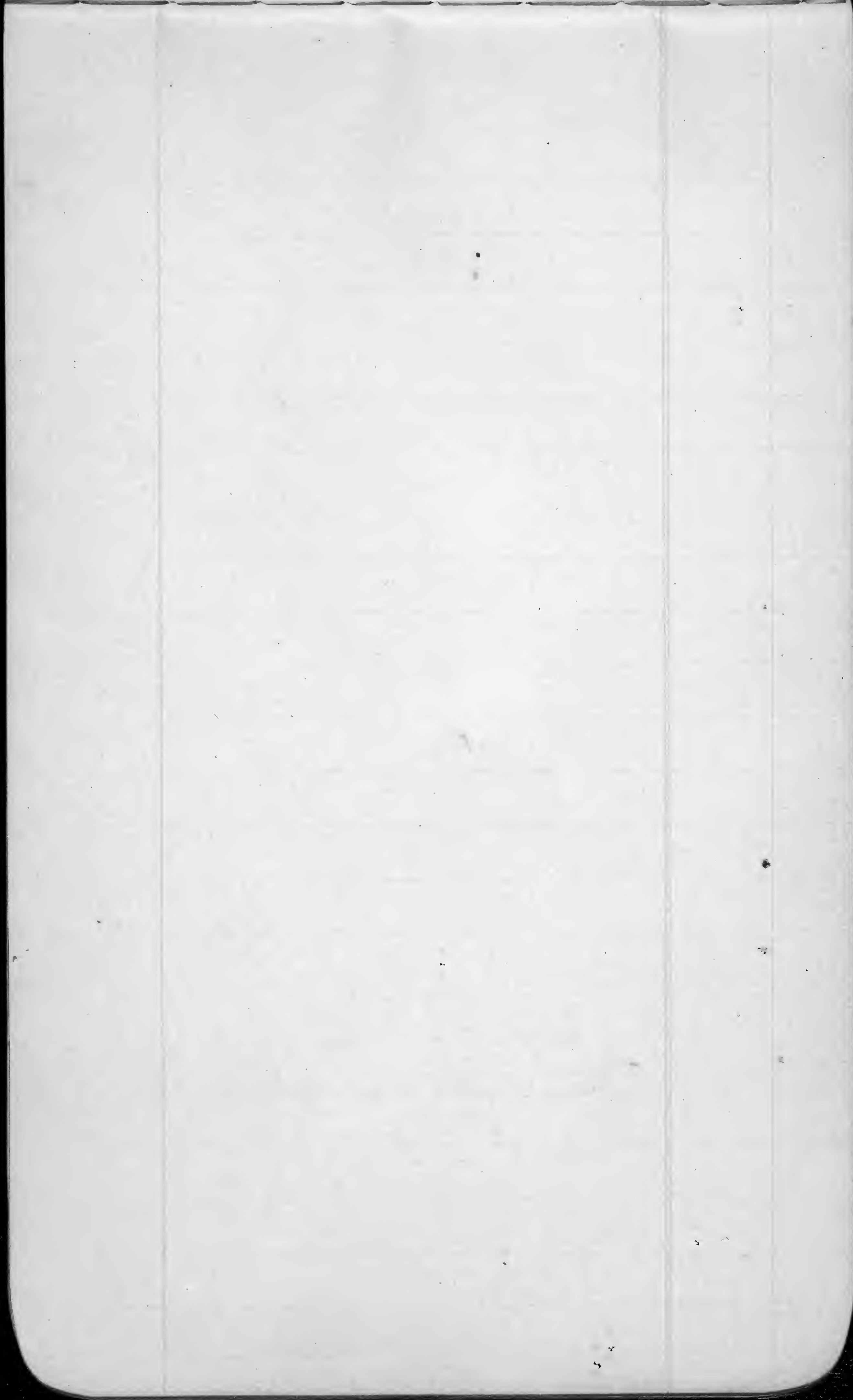


x 1 1/2

Fls. in axillary corymbs,
also a solitary peduncle from
same

very green





5416, 8

2106, 7

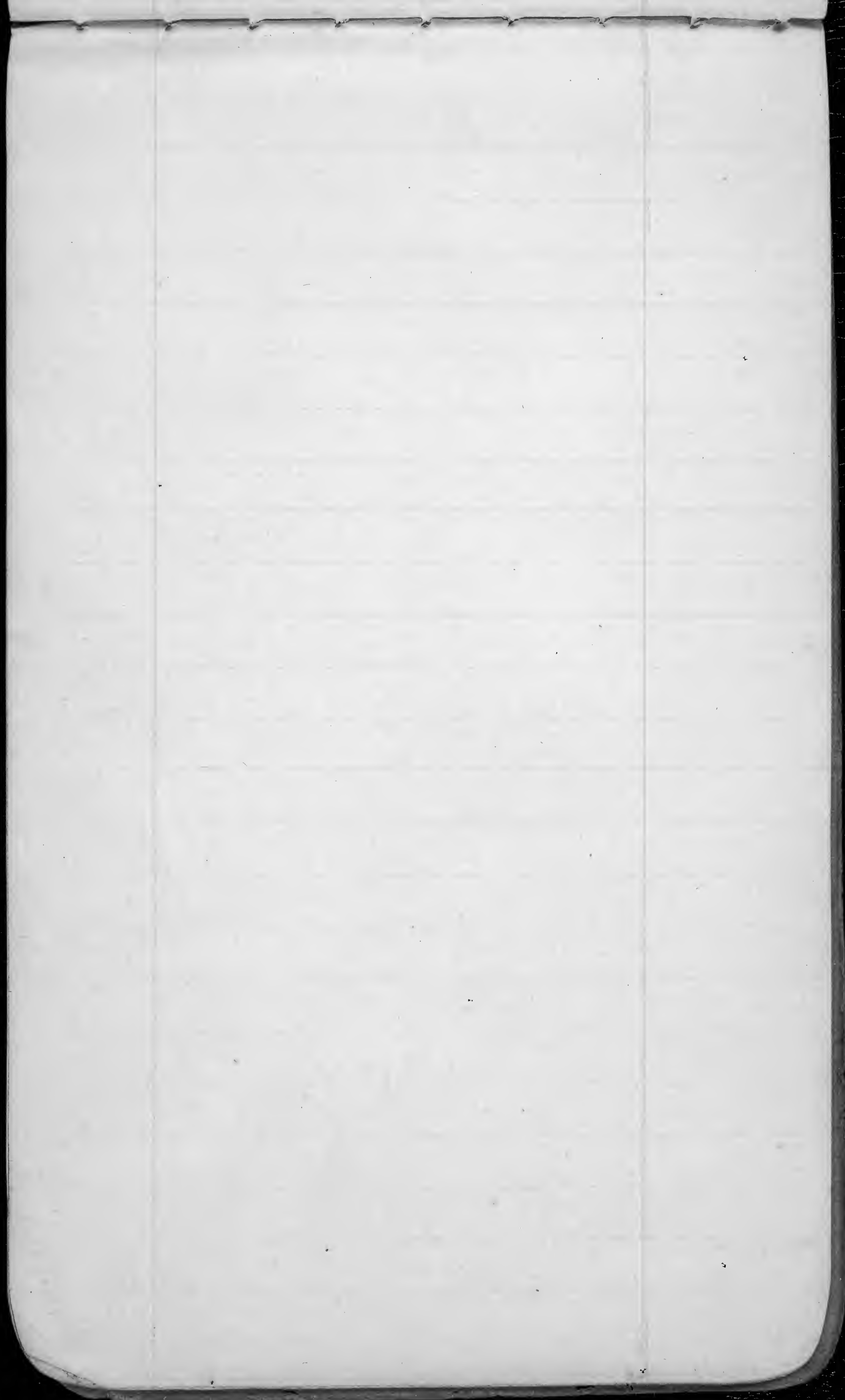
1382, 7

582, 4

270, 0

126, 0

$$\begin{array}{r} 9884.6 \\ \hline 81 \\ \hline 178 \\ 162 \\ \hline 164 \\ 162 \\ \hline 22 \end{array} \quad \begin{array}{r} 27 \\ \hline 386.1 \end{array}$$



26 9 12
A. h. 8.0 ft.
w. 22.2 "
l. 30.5 "

5416.8

B. h. 8.7
w. 16.7
l. 14.5

5
2106.7

C. h. 3.7
w. 20.2
l. 18.5

1382.7

D. h. 8.
w. 20.8
l. 13.5

582.4

E. h. 4.2
w. 28.0
l. 23.

270.

F. h. 1.8
w. 14.0
l. ~~11.0~~ 5.0

126

$$\begin{array}{r}
 22.2 \\
 \underline{8} \\
 177.6 \\
 \underline{30\frac{1}{2}} \\
 53280 \\
 \underline{4888} \\
 54168 \text{ ft.}
 \end{array}$$

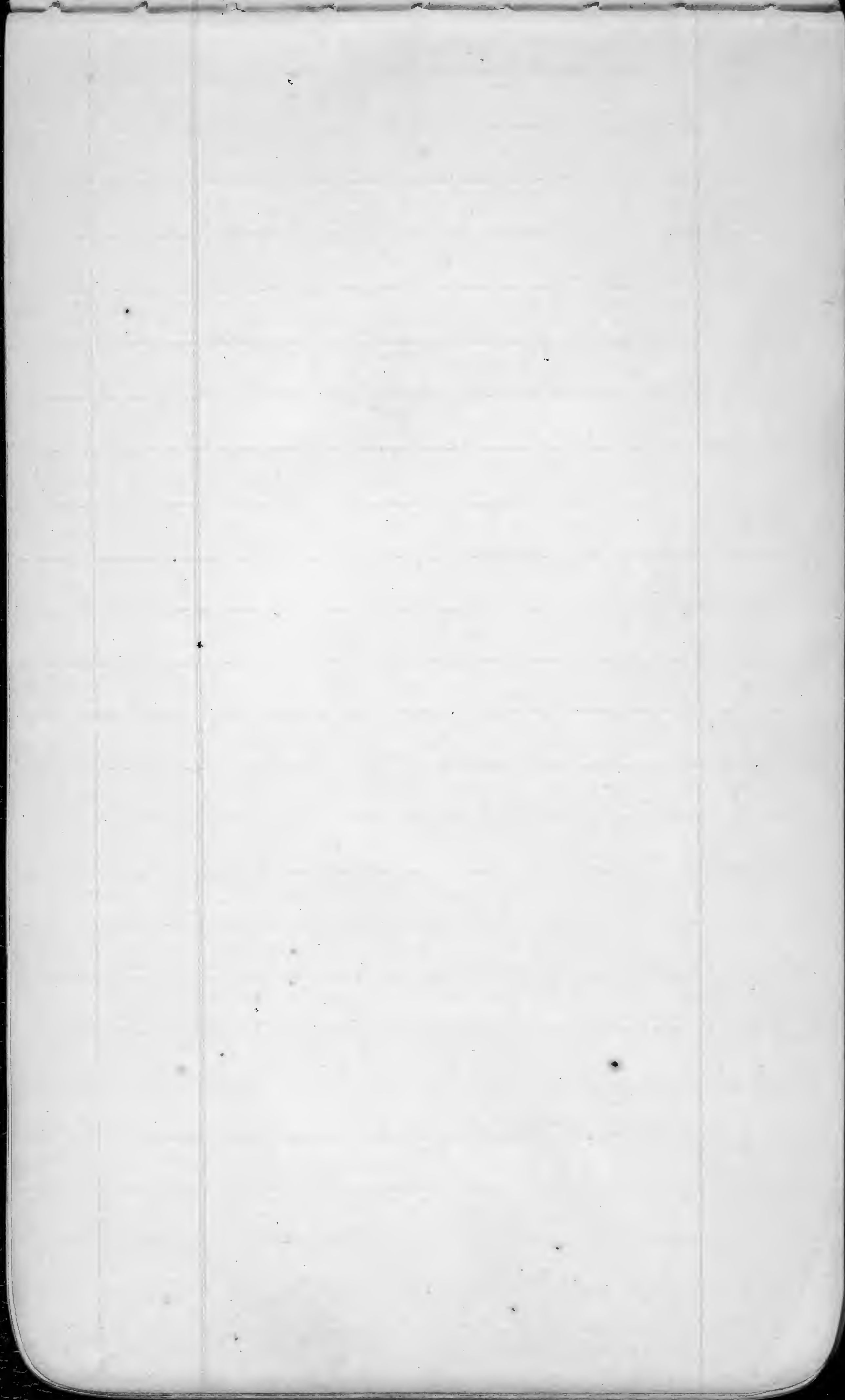
$$\begin{array}{r}
 14 \\
 \underline{1.8} \\
 112 \\
 \underline{14} \\
 25.2 \\
 \underline{5} \\
 126.0
 \end{array}$$

$$\begin{array}{r}
 14.7 \\
 \underline{8.7} \\
 1169 \\
 \underline{1336} \\
 145.29 \\
 \underline{14\frac{1}{2}} \\
 58116 \\
 \underline{14529} \\
 7264 \\
 \underline{210670}
 \end{array}$$

$$\begin{array}{r}
 20.2 \\
 \underline{6.7} \\
 1414 \\
 \underline{606} \\
 7474\frac{1}{2} \\
 \underline{18\frac{1}{2}} \\
 59792 \\
 \underline{7474} \\
 3737 \\
 \underline{138269}
 \end{array}$$

$$\begin{array}{r}
 26.8 \\
 \underline{8} \\
 1664 \\
 \underline{13\frac{1}{2}} \\
 4992 \\
 \underline{832} \\
 5824
 \end{array}$$

$$\begin{array}{r}
 28 \\
 \underline{4.2} \\
 56 \\
 \underline{112} \\
 117.4 \\
 \underline{23} \\
 270.3 \\
 \underline{26\frac{1}{2}}
 \end{array}$$



May 17th

An unfinished nest on small
elm just E. of bridge leading to "Hicks farm"
S. West.

S, mid

Bridge

h. 9 ft.

l. 9 ft.

8.7,

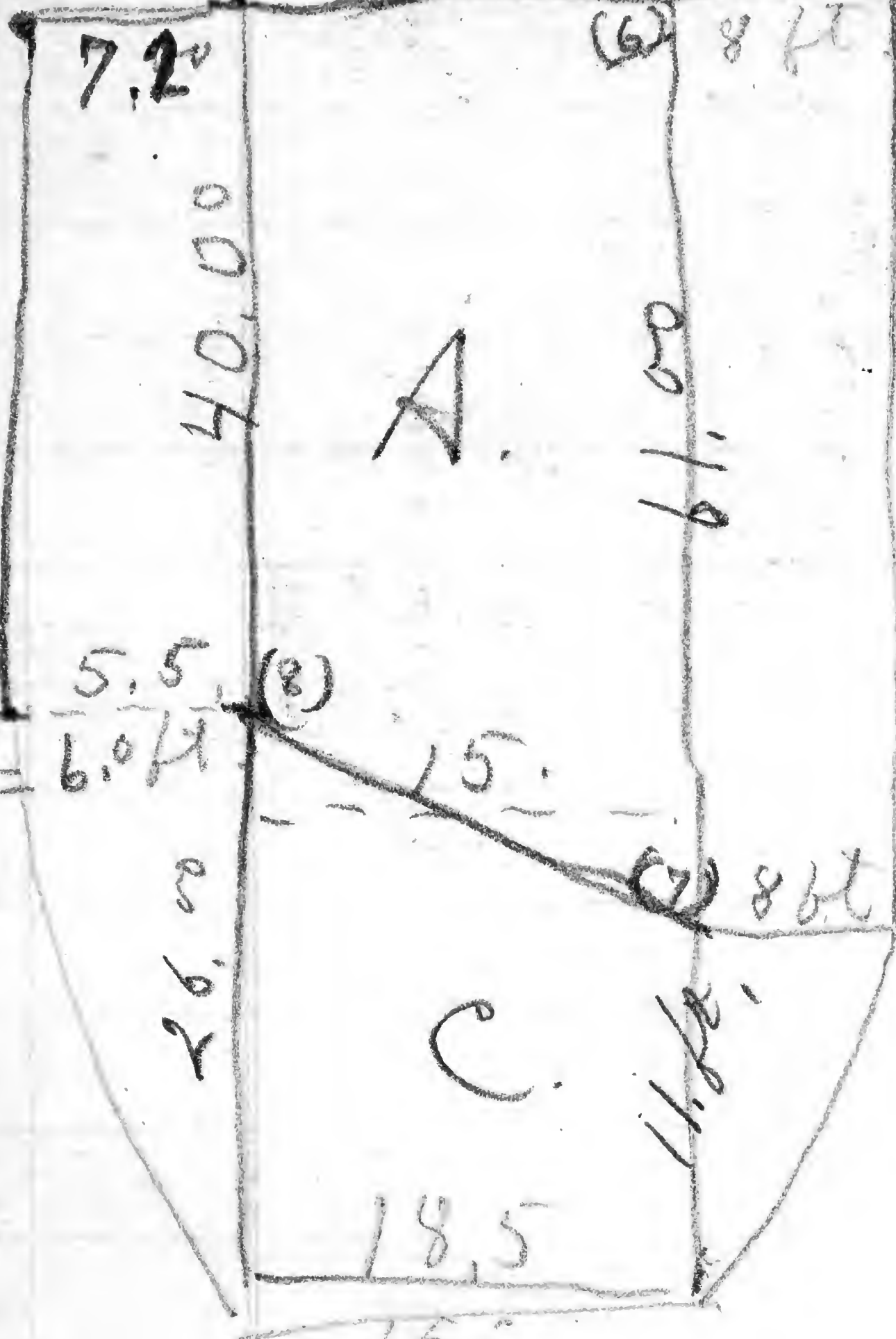
h. 8 ft.

B. 16.7

14.6

h. 8.4 av.

width 22.6



av. l. 30.5 ft.

27.4
3.7

av. width 24.8

h. = 8.5

6.1
14.6

8.5
7.1
15.6
7.8

13.5
15
28.5
15.2
7.6
15
22.6

13.6
6.8
15

21.8
18.5
40.3

Made 688 yds.

$$\begin{array}{r} 8 \\ 11.1 \\ 5.1 \\ \hline 6.0 \end{array}$$

$$\begin{array}{r} 11.4 \\ 4.1 \\ \hline 7.3 \end{array}$$

$$\begin{array}{r} 13.0 \\ 4.6 \\ \hline 8.4 \end{array}$$

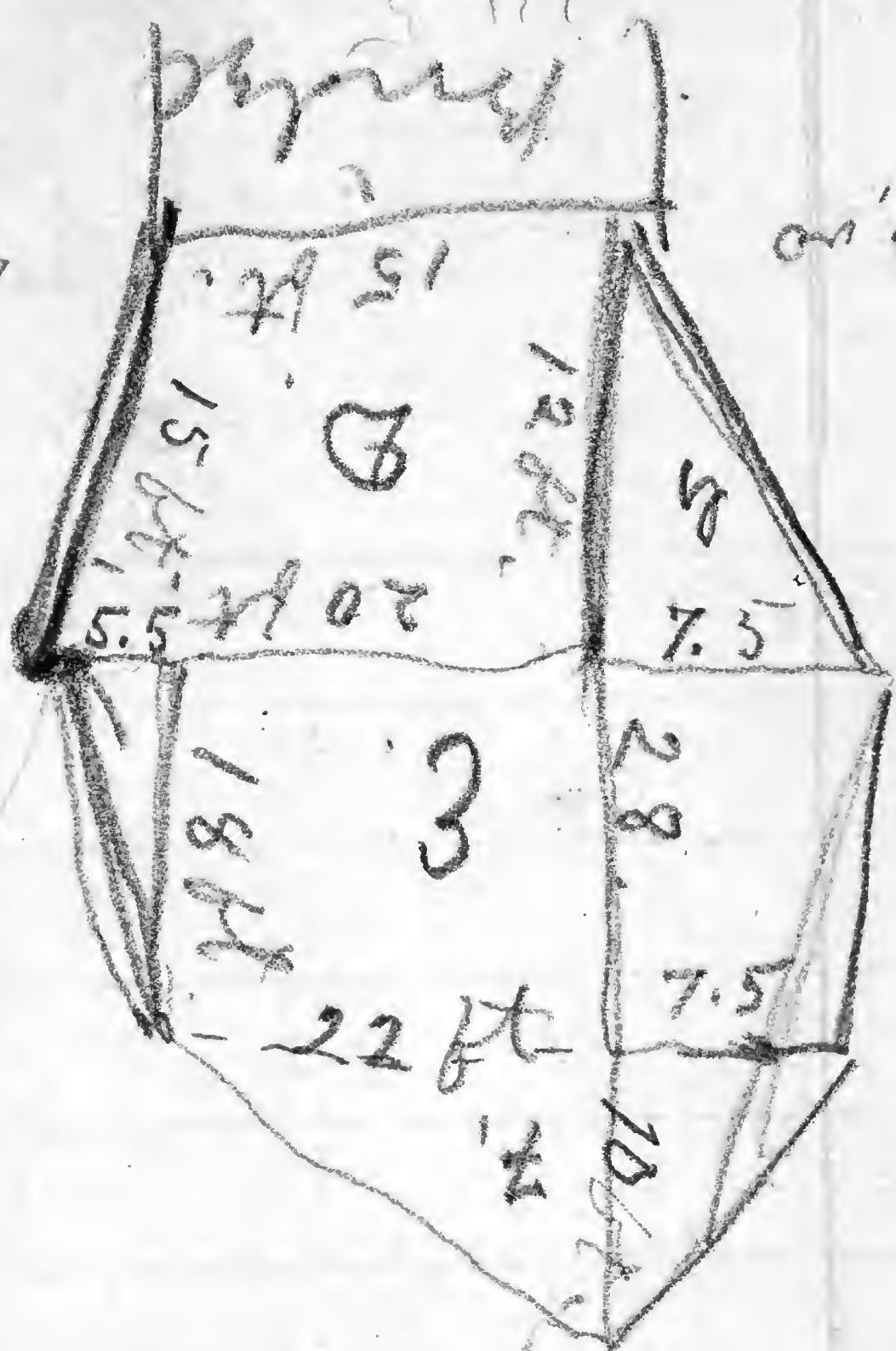
$$\begin{array}{r} 10.8 \\ 4.6 \\ \hline 6.2 \end{array}$$

$$\begin{array}{r} 14.0 \\ 5.6 \\ \hline 8.4 \end{array}$$

$$\begin{array}{r} 12.5 \\ 4.0 \\ \hline 8.5 \end{array}$$

$$\begin{array}{r} 2.8.8.4. \\ 7.3 \end{array}$$

$$5.8.9.10$$



$$\begin{array}{r} 26.5 \\ 29.5 \\ \hline 56.0 \end{array}$$

$$29.$$

$$\begin{array}{r} 6.5 \\ 8.5 \\ 7.4 \\ \hline 22.4 \\ 9.6 \end{array}$$

$$\begin{array}{r} 8.8 \\ 4.7 \\ \hline 3.6 \end{array}$$

$$7.2$$

$$3.6 = 6.2$$

$$4.8 = 8.5$$

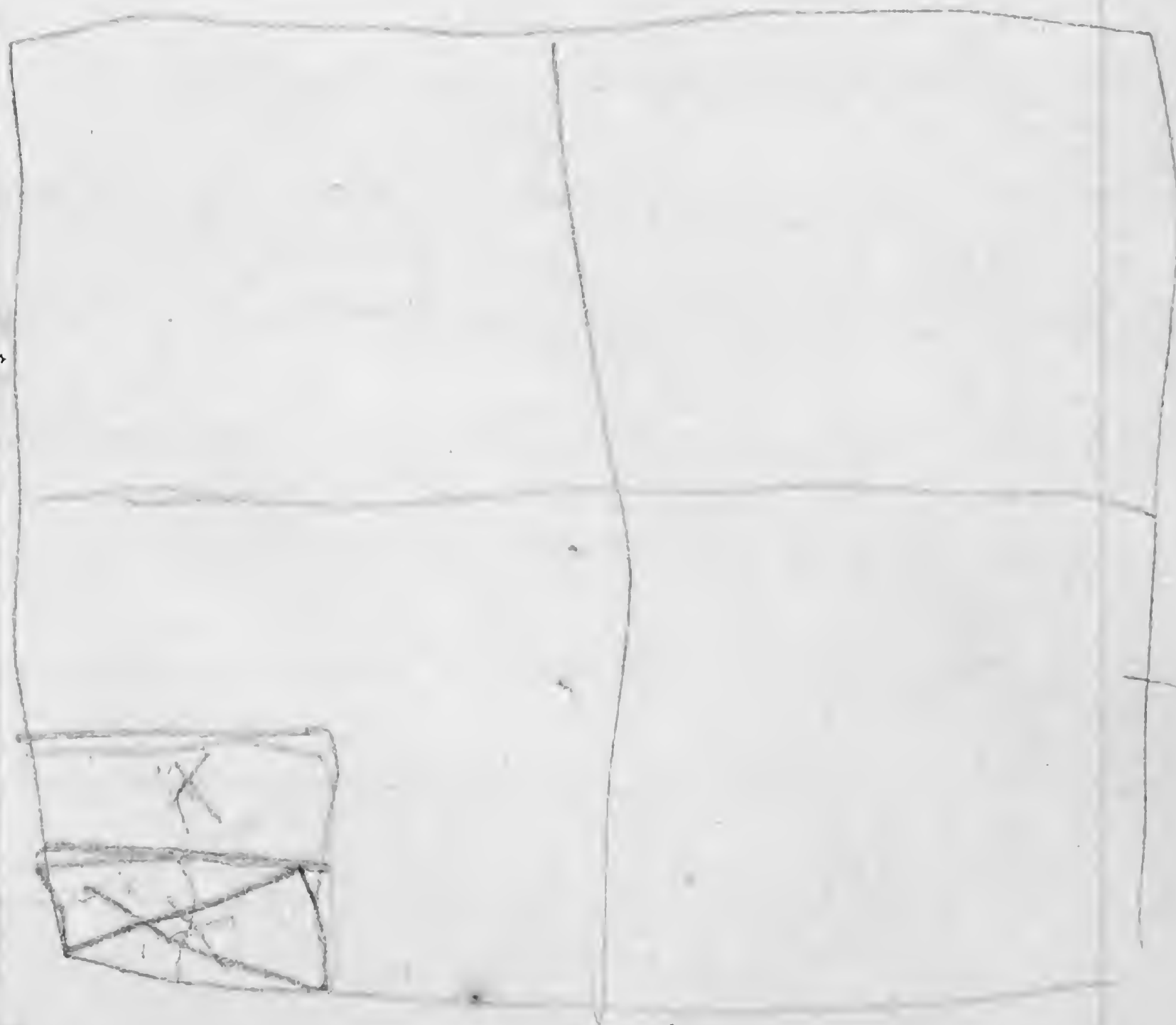
$$\begin{array}{r} 1.6 \\ 41.6 \\ \hline 8.8 \end{array}$$

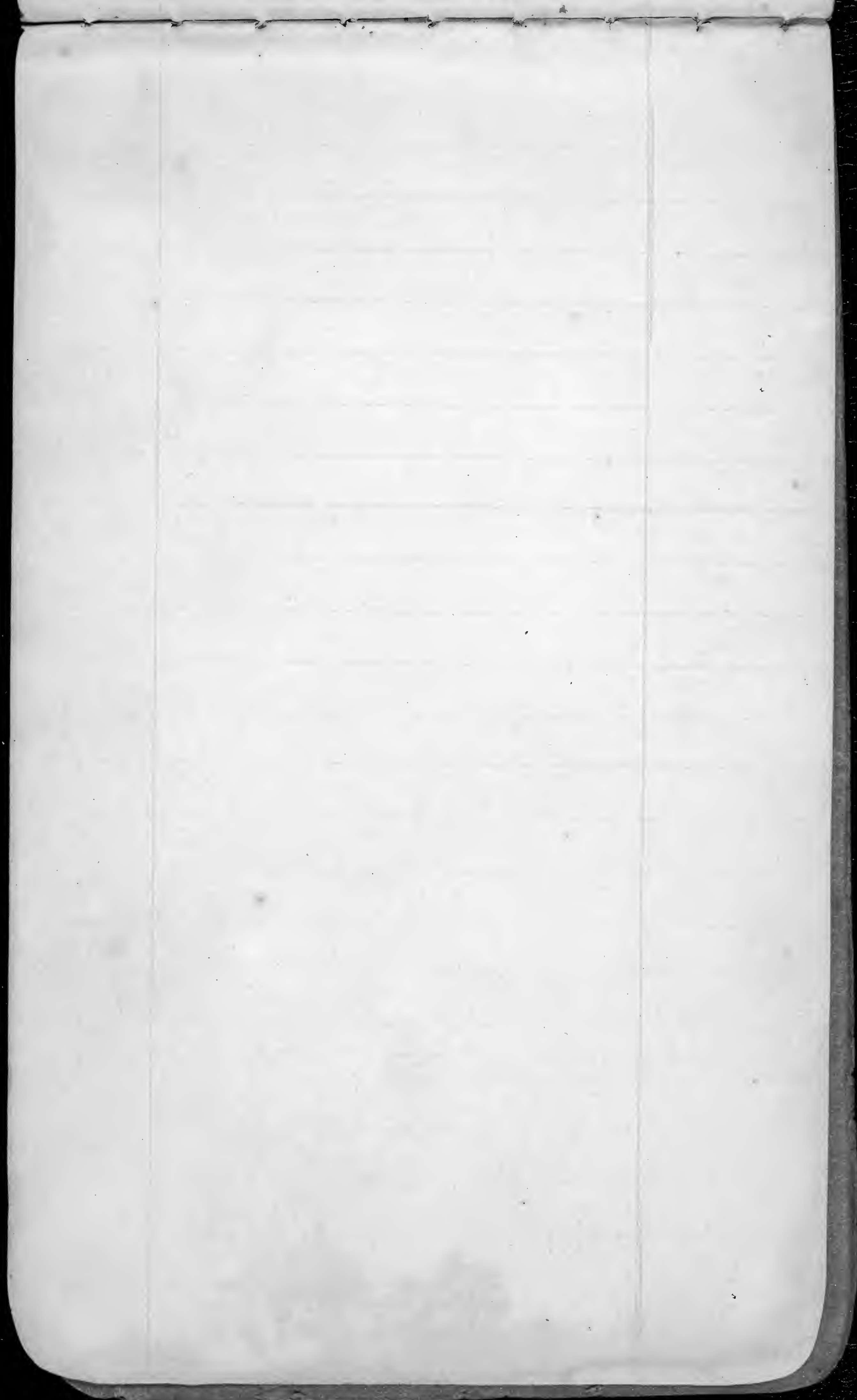
$$\begin{array}{r} 22.5 \\ 5.5 \\ \hline 33.0 \end{array}$$

$$16.0$$

$$\begin{array}{r} 14.5 \\ 19.0 \\ \hline 33.5 \end{array}$$

62 43W 4, 3'W 2, 20





One Bench 5-6

Step 3-3-9

Walt 4 1/2 81

Beethoven C. 2. 9. 5

$\frac{860}{9} = 95 \text{ R } 5$

$$\begin{array}{r} 103 \\ \times 240 \\ \hline 343 \\ 103 \\ \hline 240 \end{array}$$

320

4

$$\begin{array}{r} 420 \\ - 43 \\ \hline 377 \end{array}$$

CH

~~406~~

288

87
040

997
501
496

